align Search Help

align Results

Please site: Pearson, W.R., Wood, T., Zhang, Z., and Miller, W. (1997) Comparision of DNA sequences with protein sequences, Genomics 46: 24-36

scorin	PtoA_SEQ g matrix	QIDNO6 :: , gap p	oenalti Globa	es: -12/ l alignm	-2 ent sco	ore: 5	1275 nt 1461 nt	vs.
		10		20		30) •	
878851	ATGAGCA	ATCG	-GCATCA	CACCCGG	cc	GCAA	ACAGAC	CA
		:::						::
_	ATGCACA	TCAACCGAC						
		10	20	30		40	50	60
	40	50		60		•	70	80
878851		CACTCGATT	гтт					
0,0001		:: :: :						
		ACGCGTCTC						
_		70	80	90		100	110	120
							130	
878851		ACACGTTC						
		: ::::						
_	GAGATAA	ATGCGATTO	140	ACCTGACA 150		160	170	180
		130	140	130		100	170	100
		140			150		160	
878851		-TTCGGC		-AGC	GAC	ACACAGA	AAAGACG	GTCAA
		::::::		:::	:::	::::	::::	:::
	CCGGCCG	SATTCGGCTC	SATGGCC					ATCACTGCG
_		190	200	210		220	230	240
	170			190			210	220
878851	CTTCG	GCACGCCC	ACAGCA	CCGTCCAG	AATCCGC	.AGG	ACGCCAG	······
		AGACGCGC						
	CIGALCO		260	2		280	290	
		2,50						
		. 230		240			250	
878851		GCCA					AT	CAGT-GCAT
	:::::	::::	:	.;: :::	:::	::	:::	::: :: :
_		CTTCGCCA						
	300	310	320	3	30	340	350	J ·
2	60			270		280		
260 878851 TGAT			САТ		тестеся	200 AGA1	rgc	TCACCA
0,0001	IGAI		J.11			•••	- '	

_	TGCGGGC	GACGCCCTT	TGCCATGO	CCTCGTT	GCTTCA	GTACAT	GCAGCCT	GCGAT	CAACA
	360	370	380	39	90	400	4	10	
_	90	300							
878851		raaaaagca : ::							
_	AGGGCGAT	TTGGCTGCC	GG-CTCCG	CTCAF	ACCGC-	TGA	CCCCGCT	CATTTC	CCGGA
	420	430	440		450		460		470
	50		370				90		
878851		CGGGCTCGG							
_		CGGGCGCCA							
	4 8	30	490	500	5	10	520		530
	410	42		430					
878851		AGGTGGCGG							
		: :: : ACCTGAGCG							
_				5					
4	60	470	480	49	90		5	00	
878851	GATACTC	CGACCGCAA	CAGGCGGT	GG-CGGC	CAG		CGGTGGC	GGCGG-	
	GAAGCGCC	::: CACTCGC	:: :: : CAAGCCTT	: :: : GCTCGAC	:: CAGGTTC	тссаса	· · · · · · · · · · · · · · · · · · ·	TGCGGI	:: TCAG
_	590	600	61	.0	620	6	30	640	· I CAC
	510		520	530		540		550)
878851		GCA	ACAGGTGG	CGGCAGC	GGTG	GCACAC	CCACTG-	CAF	ACAGG
	:: ::: ACCTACTC	::: CGGCGCGCA	:: : :						
-	650	660	6	70	680	IGC I.CCG	690	700	
	560	570	-	500	59		600		610
878851		SAGGGTGGC							
		:::::							
_	710	AGGGTGCT 720		'30				76	
		-00			640		0	660	
878851		520 AGGTA	630 CTGGCTCC						CGG-
	::	:: :	: ::::	:::: :	::	: ::	: ::: :	:: :	:::
_	CAGGCTTI	GGCAACCG 78		790	_	CGTGAȚ	C-ACC-A 81	_	CGGT
878851	670 -CAAGE) ATCAATGT-		6 ADAGACA				710 GCGAAG	тстт
0,0031	:: ::	: ::	::	:::::	:::	:::::	:::,	:::::	
- g	GCATTAGI 20	GCTCGGTT		'AAAGAGC 850			CAACTGA 60	GCGAA0 870	AAAA
02		050	040					• • •	
070061	720	730 CACGGCGC-					760 משככביים		770
0/0831	::: : ;	:: ::	·: :	:::	: : :	: :	::::	::::	::
_		TCGAGGCT			TCGGCC 910				
	880	890	90		210	9	20 .	93(,
070051	CCCC C 2 2	780						820 TGAAGA	ል ጥር ጥ

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.:::: : ::::: : ::::
    ACGCTGGCAAGCGGATGGCCGGTCTGCCACTGGAT-ATGGCGACCGACG----CAATGG
              950
                     960
                              970
       940
                                   870
     830
            840
                   850
                           860
878851 GAACCTGGGTGAGAACGAGGTCGATGGCATCCA-CGTGAAAGCCAAAAACGCTCAGGAAG
     GTGC---GGTAAGAAGCCTGGTGTCAGCGTCCAGCCTGA---CCCAAAACGGTCTGGCCC
             1000
                    1010
                            1020
                                     1030
                             920
                                    930
                                           940
             900
                    910
     890
878851 TCACCATTGACAACGTGCATGCCCAGA-ACGTCGGTGAAGACCTGATTACGGTCAAA---
     TGGCGGGTGGCTT--TGCAGGGGTAGGCAAGTTGCAGGAGA--TGGCGACGAAAAATATC
            1060 1070
                               1080
        1050
              950 960
                             970
                                       - 980
878851 -----GGCGAGGGAGGCGCAGCGGTCACTAATCTGAACATC----AAGAACAGCAG
          ACCGACCCGGCGACCAAGGC--CGCGGTCAGTCAGTTGACCAACCTGGCAGGTTCGGCAG
   1100
                           1130
                                  1140
       990
             1000
                      1010
                             1020
878851 ----TGCCAAAGGTGCAG-ACGACAAGGTTGTCCAGC--TC------AACGCCA
        CCGTTTTCGCAGGCTGGACCACGGCCGCTGACAACCGATCCCGCGGTGAAAAAAGCCG
                   1180
                           1190
            1170
     1160
                         1050
                                1060
                                        1070
            1040
878851 ACAC--TCA--CTTGA-----AAATCGACAACTTCAAGGCCGACGATTTCGGCA--CG
     AGTCGTTCATACAGGACACGGTGAAATCGACTGCATCCAGTACCACAGGCTACGTAGCCG
                           1250
                                  1120
                                          1130
                   1100
                           1110
    1080
           1090
878851 ATGGTTCGCACCAACGGTGGC-AAGCAGTTTGATGACATGAGCATCGAGCTGAACGGCAT
        ACCAGACCGTCAAAC--TGGCGAAGACCGTCAAAGACATGGGCGGGGAGGCGATC---AC
            1290
                     1300
                            1310
            1150
                    1160
                            1170
                                        1180
     1140
878851 CGAAGCTAACCACGGCAAGTT-CGCCCT--GGTGAAAA----GCGACAGTGAC--GATC-
     CCA---TACCGGCGCCAGCTTGCGCAATACGGTCAATAACCTGCGTCAACGCCCGGCTCG
                              1370
           1340
                  1350
                         1360
                           1220
                                  1230
            1200
                   1210
     1190
878851 TGAAGCTGGCAACGGGCAACATCGCCATGACCGACGTCAAACACGCCTACGATAAAACCC
     TGAAGCTGATATAG---AAGAGGG----GGGC-ACGGCGGCTTCTCCAAGTGAAATACC-
                               1420
                      1410
          1400
     1250
          1260
                    1270
878851 AGGCATCGACCCAACACCCGAGCTTTGA
      : ::: :: :: :: ::
     --GTTTCGGCCTATGCGGTCG----TAA
    1440
Elapsed time: 0:00:00
```